



Maleimide-Activated Ovalbumin

407-0005 5 mg lyophilized maleimide-activated ovalbumin

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Introduction

Maleimide-activated Ovalbumin is designed to facilitate the conjugation of the ovalbumin to proteins, peptides and ligands that contain sulfhydryl (-SH) groups. The reactive maleimide group that has been added to ovalbumin allows conjugation reactions to be performed very efficiently at physiological pH.

Storage of Maleimide-activated Ovalbumin

Maleimide-activated Ovalbumin is shipped at ambient temperature as a lyophilized powder plus special stabilizers and should be stored upon receipt at -20°C. Shelf life is >1 year.

Protocol

1. Allow the vial of maleimide-activated Ovalbumin to warm to room temperature.
2. Remove the crimp seal and reconstitute the lyophilized powder by adding a buffered solution of the thiol-containing molecule. Gently agitate the vial to ensure thorough dissolution.

Note: The buffer in which the thiolated molecule is dissolved should be in the pH range 6.5-7.5. Phosphate buffered saline pH 7.2 is commonly employed.

3. Incubate for 3-4 hours (or overnight) at room temperature and then store at 4°C.

Tech Note:

Molecules that do not contain -SH groups can be chemically modified to introduce the required thiol functionality. In the case of antibodies, disulfide (S-S) bridges may also be cleaved to release free thiols. Further technical information about chemical modification strategies is available on our website.

Related Products

408-0005 Maleimide-BSA
401-0005 Maleimide-HRP
403-0005 Maleimide-R Phycoerythrin

For further information and related detection reagents see www.innovabiosciences.com